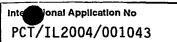


CLASSIFICATION OF SUBJECT MATTER PC 7 B01J19/00 G01N GO1N33/557 G01N33/543 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) GO1N IPC 7 B01J Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, BIOSIS, WPI Data, PAJ, EMBASE, INSPEC, COMPENDEX C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category ' KARLSSON ROBERT ET AL: "Surface Plasmon 1-6,12X Resonance Detection and Multispot Sensing for Direct Monitoring of Interactions Involving Low-Molecular-Weight Analytes and for Determination of Low Affinities" ANALYTICAL BIOCHEMISTRY, vol. 228, no. 2, 1995, pages 274-280, XP002319706 ISSN: 0003-2697 page 274, right-hand column, paragraph 2 1-11 Y page 275, left-hand column, paragraph 2 page 275, right-hand column, last paragraph - page 277, right-hand column, last paragraph page 278, right-hand column, paragraph 3 page 280, right-hand column, last paragraph figures 2-4 Patent family members are listed in annex. Further documents are listed in the continuation of box C. Special categories of cited documents: *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to *L* document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the document is combined with one or more other such docu- O document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled other means document published prior to the International filing date but "&" document member of the same patent family later than the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 1 3. 0*7*. 2005 25 May 2005 **Authorized officer** Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Goetz. M

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Relevant to claim No.
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US 6 268 141 B1 (MATSON ROBERT S ET AL) 31 July 2001 (2001-07-31) column 2, lines 19-37 column 2, line 62 - column 3, line 9 column 4, line 56 - column 9, line 15 column 10, lines 22-46 claims 1,12,14-17	12,17	
US 6 200 814 B1 (MALMQVIST MAGNUS ET AL) 13 March 2001 (2001-03-13) column 3, lines 15-40 column 4, lines 4-39 column 10, lines 5-44 column 11, lines 7-22 column 13, lines 30-58 column 15, line 37 - column 16, line 27 claims 1,2; figures 13A-13E	12-17	
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LOFAS S ET AL: "BIOANALYSIS WITH SURFACE PLASMON RESONANCE" SENSORS AND ACTUATORS B, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, vol. B05, no. 1 / 4, 1 August 1991 (1991-08-01), pages 79-84, XP000265940 ISSN: 0925-4005 figure 2 page 79, right-hand column, last paragraph page 82, left-hand column, paragraph 3	12,13,17	

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rnational application No. PCT/IL2004/001043

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. X As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.: 1-17
No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-11

Method for determining kinetic parameters between a first and a second binding member.

2. claims: 12-17

Method for localizing a molecular species on microspots on a surface.

3. claims: 18-28

A system (apparatus) for detecting a plurality of binding rections between probe and target species.

formation on patent family members

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